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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Chomczynski  
Serial No.: Not yet assigned  
Filed: April 16, 2004  
Group Art Unit: Not yet assigned  
Title: **REAGENTS AND METHODS FOR  
ISOLATION OF PURIFIED RNA**  
Our Ref. No.: CNA-19

Cincinnati, Ohio 45202

April 16, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

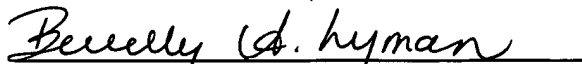
In accordance with the duty of candor and good faith which is imposed by Rule 56 (37 C.F.R. §1.56), the art listed on the attached form PTO-1449 is called to the attention of the U.S. Patent and Trademark Office in connection with the above identified patent application. Copies of the required cited references are enclosed. No representation is made that the cited art is the only art or that the cited art represents the best art.

The Examiner is urged to consider the cited references and to make an independent decision with respect to their materiality.

Applicant knows of no fee due with this submission. However, if any fees are necessary, the Commissioner may consider this to be a request for such and charge any necessary fees to Deposit Account No. 23-3000.

Respectfully submitted,

WOOD, HERRON & EVANS, L.L.P.

  
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SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. CNA/19		SERIAL NO. Unknown							
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)  (37 CFR 1.98(b))				APPLICANT PIOTR CHOMCZYNSKI									
				FILING DATE April 16, 2004		GROUP Unknown							
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	A.A	4	8	4	3	1	5	5	06/27/89	Chomczynski	536	27	11/19/87
	A.B	5	3	4	6	9	9	4	09/13/94	Chomczynski	530	419	01/28/92
	A.C	5	9	4	5	5	1	5	08/31/99	Chomczynski	530	412	07/31/95
	A.D	5	9	7	3	1	3	7	10/26/99	Heath	536	25.4	06/02/97
	A.E												
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FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS													
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	A.L												
	A.M												
	A.N												
	A.O												
	A.P												
	A.Q												
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
	A.R	American Chemical Society, <u>Most Cited Journal Articles 2002</u> , CAS Science Spotlight, Chemistry & Related Science, Journal Articles, 2002, <a href="http://www.cas.org/spotlight/jcite02/jcite02.html">http://www.cas.org/spotlight/jcite02/jcite02.html</a>											
	A.S	Bonham, M.J. et al., <u>Improved Purification and Yields of RNA by RNeasy</u> , BioTechniques 21:57-60, (1996)											
	A.T	Chattopadhyay, N. et al, <u>Inexpensive SDS-Phenol Method for RNA Extraction from Tissues</u> , BioTechniques, 15:24-25 (1993)											
EXAMINER									DATE CONSIDERED				
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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
	B.R	Chomczynski, P. et al, <u>Modification of the TRI Reagent Procedure for Isolation of RNA from Polysaccharide- and Proteoglycan-Rich Sources</u> , Short Technical Reports, BioTechniques, 19:942-945 (1995)					
	B.S	Chomczynski, Piotr, <u>A Reagent for the Single-Step Simultaneous Isolation of RNA, DNA and Proteins from Cell and Tissue Samples</u> , BioTechniques, 15:532-535 (1993)					
	B.T	Chomczynski, P. et al, <u>Single-Step Method of RNA Isolation by Acid Guanidinium Thiocyanate-Phenol-Chloroform Extraction</u> , Anal. Biochem. 162:156-159 (1987)					
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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
	C.R	Girotti, M. et al, <u>Gene Expression Profiling of Rat Uterus at Different Stages of Parturition</u> , Endocrinology 144:2254-2265 (2003)					
	C.S	Guan, H.P. et al, <u>A futile metabolic cycle activated in adipocytes by antidiabetic agents</u> , Nature Med. 8:1122-1128 (2003)					
	C.T	Kedzierski, W. et al, <u>ANovel Non-Enzymatic Procedure for Removing DNA Template from RNA Transcription Mixtures</u> , BioTechniques 10:210-214 (1991)					
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	D.R	Kingston, Robert E., <u>Preparation and Analysis of RNA</u> , Current Protocols in Molecular Biology, John Wiley & Sons, Inc., New York, Vol. 1, 2002, Chapter 4, 4.0.1.-4.3.4.					
	D.S	Liu, Z. et al, <u>An Improved Rapid Method of Isolating RNA from Cultured Cells by SDS-Acid Phenol/Chloroform Extraction</u> , BioTechniques 16:56-57 (1994)					
	D.T	Mathy, N.L. et al, <u>Removal of RT-PCR Inhibitors from RNA Extracts of Tissues</u> , BioTechniques 21:770-774 (1996)					
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	E.R	Molecular Research Center, <u>TRI Reagent - RNA, DNA, Protein Isolation Reagent</u> , Manufacturer's Protocol, pp. 1-6 (2003)					
	E.S	Monstein, H.J. et al., <u>RNA Extraction from Gastrointestinal Tract and Pancreas by a Modified Chomczynski and Sacchi Method</u> , BioTechniques 19:340-343 (1995)					
	E.T	Mutimer, H. et al, <u>Pitfalls of Processed Pseudogenes in RT-PCR</u> , BioTechniques 24:585-587 (1998)					
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	F.R	Puissant, C. et al, <u>An Improvement of the Single-Step Method of RNA Isolation by Acid Guanidinium Thiocyanate-Phenol-Chloroform Extraction</u> , BioTechniques 8:148-149 (1990)					
	F.S	ScienceWatch, <u>Twenty Years of Citation Superstars</u> , ScienceWatch, Sept.-Oct. 2003, <a href="http://www.sciencewatch.com/sent-oct2003/sw_sept-oct2003_page2.html">http://www.sciencewatch.com/sent-oct2003/sw_sept-oct2003_page2.html</a>					
	F.T	Siebert, Paul D. et al, <u>Modified acid guanidinium thiocyanate-phenol-chloroform RNA extraction method which greatly reduces DNA contamination</u> , Nucleic Acid Res. 21:2019-2020 (1993)					
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	G.R	Simms, <u>RNA Isolation Reagent and Methods</u> , U.S. Patent Application Publication No. 20030204077, 10/30/03 (App. No. 10/442,946)					
	G.S	Suzuki, Y. et al, <u>Extraction of Total RNA from Leaves of Eucalyptus and Other Woody and Herbaceous Plants using Sodium Isoascorbate</u> , BioTechniques 34:988-993 (2003)					
	G.T						
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